

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) ~~Improved high-performance permeable~~ Permeable concrete obtained by spreading and compacting a mixture which comprises 1,500-1,850 ~~kg/m²~~ kg/m³ of aggregates; 320-400 ~~kg/m²~~ kg/m³ of Portland cement including 22-60 kg/m³ of particulates of blast furnace slag; ~~28-35% of the cement (90-140 kg/m² kg/m³)~~ of water; ~~2-5% of the cement (6-20 kg/m² kg/m³)~~ of a pigment; and ~~3-10% of the cement (10-40 kg/m² kg/m³)~~ of charcoal dust, ~~7-15% of the cement (22-60 kg/m² kg/m³)~~ being substituted for particulates of blast furnace slag, and having the compressive strength of 120-300 kgf/cm² and the permeability coefficient of 2×10^{-2} cm/sec or more.

2. (currently amended) The ~~improved high-performance~~ permeable concrete as claimed in claim 1, wherein the aggregates ~~can be~~ are selected from rubble aggregates, recycled aggregates or a mixture thereof, and ~~comprise wherein~~ 10-30% of the aggregates of the have a size of 5mm or less, 50-80% of the aggregates have a size of 5-10mm, and the balance of the aggregates have a size of 10-13mm.

3. (currently amended) The ~~improved high-performance~~ permeable concrete as claimed in claim 1, wherein 600-1,200 ~~g/m²~~ g/m³ of polyvinyl alcohol fiber, which is concrete hydrophilic, is further provided to the mixture to prevent cracks of the permeable concrete.

4. (currently amended) The ~~improved high-performance~~ permeable concrete as claimed in claim 2, wherein 600-1,200 ~~g/m²~~ g/m³ of polyvinyl alcohol fiber, which is concrete hydrophilic, is further provided to the mixture to prevent cracks of the permeable concrete.

5. (currently amended) The ~~improved high-performance~~ permeable concrete as claimed in claim 1, wherein a liquid polymer resin ~~such as epoxy, urethane or degenerated acrylic resin~~ including urethane powder of the size 0.01-0.5mm is spread on ~~the~~ a surface of the permeable concrete layer to prevent sliding on the surface.

6. (currently amended) The ~~improved high-performance~~ permeable concrete as claimed in claim 2, wherein a liquid polymer resin ~~such as epoxy, urethane or degenerated acrylic resin~~ including urethane powder of the size 0.01-0.5mm is spread on ~~the~~ a surface of the permeable concrete layer to prevent sliding on the surface.

7. (new) The permeable concrete as claimed in claim 5, wherein the polymer resin is selected from epoxy, urethane, and degenerated acrylic resin.

8. (new) The permeable concrete as claimed in claim 6, wherein the polymer resin is selected from epoxy, urethane, and degenerated acrylic resin.